

GenCore version 5.1.4.p5.4578
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 14, 2003, 09:27:15 ; Search time 8.54906 Seconds
(without alignments)
2124.243 Million cell updates/sec

Title: US-09-836-077-4

Perfect score: 2120

Sequence: 1 MTPPPGAAAPRARRVLS.....TFQVADSHPEVAQRVEDMGP 394

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 199416 seqs, 46092074 residues

Total number of hits satisfying chosen parameters: 199416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : PublishedApplications_AA:*

1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB pep.*
6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB pep.*
7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB pep.*
11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB pep.*
12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB pep.*
13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB pep.*
14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2120	100.0	394	10	US-09-836-077-4
2	1897	89.5	666	10	US-09-836-077-3
3	1897	89.5	666	10	US-09-764-587A-2
4	1755	82.8	634	9	US-09-771-467C-2
5	948.5	44.7	215	10	US-09-764-587A-4
6	902	42.5	606	9	US-09-771-467C-4
7	397	18.7	893	9	US-09-908-193-45
8	385.5	18.2	837	9	US-10-174-590-454
9	385.5	18.2	837	9	US-10-176-758-454
10	385.5	18.2	837	9	US-10-175-737-454
11	385.5	18.2	837	9	US-10-173-706-454
12	385.5	18.2	837	9	US-10-175-738-454
13	385.5	18.2	837	9	US-10-175-752-454
14	385.5	18.2	837	9	US-10-176-482-454
15	385.5	18.2	837	9	US-10-176-757-454
16	385.5	18.2	837	9	US-10-176-913-454
17	385.5	18.2	837	9	US-10-180-552-454
18	385.5	18.2	837	9	US-10-180-557-454
19	385.5	18.2	837	9	US-10-173-700-454

20	385.5	18.2	837	9	US-10-174-572-454	Sequence 454, App
21	385.5	18.2	837	9	US-10-174-579-454	Sequence 454, App
22	385.5	18.2	837	9	US-10-174-582-454	Sequence 454, App
23	385.5	18.2	837	9	US-10-174-588-454	Sequence 454, App
24	385.5	18.2	837	9	US-10-175-739-454	Sequence 454, App
25	385.5	18.2	837	9	US-10-175-740-454	Sequence 454, App
26	385.5	18.2	837	9	US-10-175-743-454	Sequence 454, App
27	385.5	18.2	837	9	US-10-176-488-454	Sequence 454, App
28	385.5	18.2	837	9	US-10-176-492-454	Sequence 454, App
29	385.5	18.2	837	9	US-10-176-747-454	Sequence 454, App
30	385.5	18.2	837	9	US-10-176-750-454	Sequence 454, App
31	385.5	18.2	837	9	US-10-176-985-454	Sequence 454, App
32	385.5	18.2	837	9	US-10-176-987-454	Sequence 454, App
33	385.5	18.2	837	9	US-10-176-991-454	Sequence 454, App
34	385.5	18.2	837	9	US-10-176-992-454	Sequence 454, App
35	385.5	18.2	837	9	US-10-176-993-454	Sequence 454, App
36	385.5	18.2	837	9	US-10-184-658-454	Sequence 454, App
37	385.5	18.2	837	9	US-10-173-695-454	Sequence 454, App
38	385.5	18.2	837	9	US-10-173-697-454	Sequence 454, App
39	385.5	18.2	837	9	US-10-173-705-454	Sequence 454, App
40	385.5	18.2	837	9	US-10-174-576-454	Sequence 454, App
41	385.5	18.2	837	9	US-10-174-585-454	Sequence 454, App
42	385.5	18.2	837	9	US-10-174-586-454	Sequence 454, App
43	385.5	18.2	837	9	US-10-175-747-454	Sequence 454, App
44	385.5	18.2	837	9	US-10-176-481-454	Sequence 454, App
45	385.5	18.2	837	9	US-10-176-485-454	Sequence 454, App

ALIGNMENTS

RESULT 1

US-09-836-077-4

; Sequence 4, Application US/09836077

; Patent No. US20020037851A1

; GENERAL INFORMATION:

; APPLICANT: FLECKENSTEIN, Bernhard

; ENSER, Armin

; TITLE OF INVENTION: CORRESPONDING SEMAPHORINS IN OTHER SPECIES

; NUMBER OF SEQUENCES: 44

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Frommer Lawrence & Haug LLP

; STREET: 745 Fifth Avenue

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10151

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/836,077

; FILING DATE: 16-Apr-2001

; CLASSIFICATION: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Lawrence, William F.

; REGISTRATION NUMBER: 28,029

; REFERENCE/DOCKET NUMBER: 514429-3647

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-588-0800

; TELEFAX: 212-588-0500

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 394 amino acids

; TYPE: amino acid

; STRANDEDNESS: n/a

; TOPOLOGY: linear

; MOLECULE TYPE: amino acid

; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-836-077-4

Query Match 100.0%; Score 2120; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 2.3e-191;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTPPPGAAAPSAPRARVLSLPARFGLPLRLRLLLVFWAAASAGHSRSGPRISAVWKG 60
DB 1 MTPPPGAAAPSAPRARVLSLPARFGLPLRLRLLLVFWAAASAGHSRSGPRISAVWKG 60

QY 61 QDHVDFSOPEPHTVLFHEPGSFSVWVGGRGVYHFNPEGKNASVRTVNIQSTKGCODK 120
DB 61 QDHVDFSOPEPHTVLFHEPGSFSVWVGGRGVYHFNPEGKNASVRTVNIQSTKGCODK 120

QY 121 QDCGNYITLLERRGNGLLVCGTNAKPSCNWLVNDVSVMSLGEMKGYPFSPDENSILVF 180
DB 121 QDCGNYITLLERRGNGLLVCGTNAKPSCNWLVNDVSVMSLGEMKGYPFSPDENSILVF 180

QY 181 EGDEVYSTIRKQENYKIPRRFRIRGESELYTSDTVMONPOFIKATIVHQDQAYDDKIYY 240
DB 181 EGDEVYSTIRKQENYKIPRRFRIRGESELYTSDTVMONPOFIKATIVHQDQAYDDKIYY 240

QY 241 FFREDNDKPEAPLNYSRAQLCRGQGGESSLSVSKWNTFLKAMLVCSDAATNRNFR 300
DB 241 FFREDNDKPEAPLNYSRAQLCRGQGGESSLSVSKWNTFLKAMLVCSDAATNRNFR 300

QY 301 LQDVFLPLDPGQWRDTRVYGVFSPNPNYSVAVCYISLGDIDRVFRTSSKGYHMGSLNPR 360
DB 301 LQDVFLPLDPGQWRDTRVYGVFSPNPNYSVAVCYISLGDIDRVFRTSSKGYHMGSLNPR 360

QY 361 PGMCPLPKQPIPTTFQVADSHPEVAQRVEPMGP 394
DB 361 PGMCPLPKQPIPTTFQVADSHPEVAQRVEPMGP 394

RESULT 2

US-09-836-077-3
Sequence 3, Application US/09836077
Patent No. US20020037851A1
GENERAL INFORMATION:
APPLICANT: FLECKENSTEIN, Bernhard
INVENTOR: ENSER, Armin
TITLE OF INVENTION: HUMAN SEMAPHORIN L (H-SEMA) AND CORRESPONDING SEMAPHORINS IN OTHER SPECIES
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Frommer Lawrence & Haug LLP
STREET: 745 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10151
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/836,077
FILING DATE: 16-Apr-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lawrence, William F.
REGISTRATION NUMBER: 28,029
REFERENCE/DOCKET NUMBER: 514429-3647
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-588-0800
TELEFAX: 212-588-0500
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 666 amino acids
TYPE: amino acid
STRANDEDNESS: n/a
TOPOLOGY: linear

MOLECULE TYPE: amino acid
SEQUENCE DESCRIPTION: SEQ ID NO: 3;
US-09-836-077-3

Query Match 89.5%; Score 1897; DB 10; Length 666;
Best Local Similarity 90.2%; Pred. No. 4.7e-170;
Matches 358; Conservative 8; Mismatches 27; Indels 4; Gaps 2;

QY 1 MTPPPGAAAPSAPRARVLSLPARFGLPLRLRLLLVFWAAASAGHSRSGPRISAVWK- 59
DB 1 MTPPPGAAAPSAPRARVLSLPARFGLPLRLRLLLVFWAAASAGHSRSGPRIFAVWKG 60

QY 60 --GQDHVDFSOPEPHTVLFHEPGSFSVWVGGRGVYHFNPEGKNASVRTVNIQSTKGC 117
DB 61 HVGQDRVDFGQTEPHTVLFHEPGSSVWVGGRGVYLFDFPEGKNASVRTVNIQSTKGC 120

QY 118 QDKDCGNYITLLERRGNGLLVCGTNAKPSCNWLVNDVSVMSLGEMKGYPFSPDENSIL 177
DB 121 LDKDCENYITLLERRSEGLLACGTNARHPSCWNLVNGTVV-PLGEMRGYAPFSPDENS 179

QY 178 VLFEGDEVYSTIRKQENYKIPRRFRIRGESELYTSDTVMONPOFIKATIVHQDQAYDDK 237
DB 180 VLFEGDEVYSTIRKQENYKIPRRFRIRGESELYTSDTVMONPOFIKATIVHQDQAYDDK 239

QY 238 IYFFREDNDKPEAPLNYSRAQLCRGQGGESSLSVSKWNTFLKAMLVCSDAATNRN 297
DB 240 IYFFREDNDKPEAPLNYSRAQLCRGQGGESSLSVSKWNTFLKAMLVCSDAATNRN 299

QY 298 FNRLQDVFLPLDPGQWRDTRVYGVFSPNPNYSVAVCYISLGDIDRVFRTSSKGYHMGSL 357
DB 300 FNRLQDVFLPLDPGQWRDTRVYGVFSPNPNYSVAVCYISLGDIDRVFRTSSKGYHSLP 359

QY 358 NRPQMCPLPKQPIPTTFQVADSHPEVAQRVEPMGP 394
DB 360 NRPQMCPLPKQPIPTTFQVADSHPEVAQRVEPMGP 396

RESULT 3

US-09-764-587A-2
Sequence 2, Application US/09764587A
Patent No. US20020106722A1
GENERAL INFORMATION:
APPLICANT: David Michalovich
INVENTOR: Phillip David Hayes
TITLE OF INVENTION: NOVEL COMPOUNDS
FILE REFERENCE: GP-30039-D1
CURRENT APPLICATION NUMBER: US/09/764,587A
CURRENT FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: US 09/240,410
PRIOR FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: EP 98300694.1
PRIOR FILING DATE: 1999-01-30
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 666
TYPE: PRT
ORGANISM: HOMO SAPIENS
US-09-764-587A-2

Query Match 89.5%; Score 1897; DB 10; Length 666;
Best Local Similarity 90.2%; Pred. No. 4.7e-170;
Matches 358; Conservative 8; Mismatches 27; Indels 4; Gaps 2;

QY 1 MTPPPGAAAPSAPRARVLSLPARFGLPLRLRLLLVFWAAASAGHSRSGPRISAVWK- 59
DB 1 MTPPPGAAAPSAPRARVLSLPARFGLPLRLRLLLVFWAAASAGHSRSGPRIFAVWKG 60

QY 60 --GQDHVDFSOPEPHTVLFHEPGSFSVWVGGRGVYHFNPEGKNASVRTVNIQSTKGC 117
DB 61 HVGQDRVDFGQTEPHTVLFHEPGSSVWVGGRGVYLFDFPEGKNASVRTVNIQSTKGC 120

QY 118 QDKDCGNYITLLERRGNGLLVCGTNAKPSCNWLVNDVSVMSLGEMKGYPFSPDENSIL 177

Db 121 LDRCENYITLLRRSEGLACGTNARHPSWNLVNGTVV-PLGEMRGYAPFSPDENS 179
Qy 178 VLFEGDEVYSTIRKQYNGKIPFRFRIRGESELYTSDVTVMQNPQFIKATIVHQDAYDDK 237
Db 180 VLFEGDEVYSTIRKQYNGKIPFRFRIRGESELYTSDVTVMQNPQFIKATIVHQDAYDDK 239
Qy 238 IYFFREDPNKPEAPLNVSRAQLCRDQGGESSLSVSKWNTFLKAMLVCSDAATNRN 297
Db 240 IYFFREDPNKPEAPLNVSRAQLCRDQGGESSLSVSKWNTFLKAMLVCSDAATNRN 299
Qy 298 FNRLODVLLPDPSCQWRDTRVYGVSFNPWNSAVCVSYSLGIDIRVFRITSSLKGYHMGSL 357
Db 300 FNRLODVLLPDPSCQWRDTRVYGVSFNPWNSAVCVSYSLGIDIRVFRITSSLKGYHSSLP 359
Qy 358 NRPGRMCLPKKQPIPTETFOVADSHPEVAQRVPMGP 394
Db 360 NRPGRMCLPKKQPIPTETFOVADSHPEVAQRVPMGP 396

RESULT 4

US-09-771-467C-2

; Sequence 2, Application US/09771467C

; Patent No. US20020177549A1

; GENERAL INFORMATION:

; APPLICANT: Luo, Yuling

; APPLICANT: Xiomel, Xu

; TITLE OF INVENTION: Semaphorin K1 Polypeptides

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESSES:

; ADDRESS: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 75 DENISE DRIVE

; CITY: HILLSBOROUGH

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94010

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/771.467C

; FILING DATE: 26-Jan-2001

; CLASSIFICATION: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: EXEL98-001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (650) 343-4341

; TELEFAX: (650) 343-4342

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 634 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-771-467C-2

Query Match

Best Local Similarity 82.8%; Score 1755; DB 9; Length 634;

Matches 330; Conservative 8; Mismatches 23; Indels 4; Gaps 2;

Qy 33 LLLVFWAAAQAQHSRSGPRISAYWK---GQDHVDFSOPEHTVLFHEPGSFSVWVGGR 89

Db 1 LLLLLAAAAAQAQHLRSGPRIFAVKGVGQDRVDFGQTEPTHTVLFHEPGSFSVWVGGR 60

Qy 90 GKVIHFNEPEGKNASVRTVNTIGSTKGCQDKDCQGNVITLLRRNGLLVCGTNAKRPSC 149

Db 61 GKVIHFNEPEGKNASVRTVNTIGSTKGCQDKDCQGNVITLLRRSEGLLACGTNARHPSC 120

Qy 150 WNLVNDVSVMGLGEMKGYAPFSPDENSILVLFEGDEVYSTIRKQYNGKIPFRFRIRGESE 209
Db 121 WNLVNGTVV-PLGEMRGYAPFSPDENSILVLFEGDEVYSTIRKQYNGKIPFRFRIRGESE 179
Qy 210 LYTSTVMQNPQFIKATIVHQDAYDDKIYFFREDPNKPEAPLNVSRAQLCRDQGG 269
Db 180 LYTSTVMQNPQFIKATIVHQDAYDDKIYFFREDPNKPEAPLNVSRAQLCRDQGG 239
Qy 270 GESSLSVSKWNTFLKAMLVCSDAATNRNRLQDVLLPDPSCQWRDTRVYGVSFNPWNS 329
Db 240 GESSLSVSKWNTFLKAMLVCSDAATNRNRLQDVLLPDPSCQWRDTRVYGVSFNPWNS 299
Qy 330 SAVCVSYSLGIDIRVFRITSSLKGYHMGSLNRPGRMCLPKKQPIPTETFOVADSHPEVAQRV 389
Db 300 SAVCVSYSLGIDIRVFRITSSLKGYHSSLNRPGRMCLPKKQPIPTETFOVADSHPEVAQRV 359
Qy 390 EPMGP 394
Db 360 EPMGP 364

RESULT 5

US-09-764-587A-4

; Sequence 4, Application US/09764587A

; Patent No. US20020106722A1

; GENERAL INFORMATION:

; APPLICANT: David Michalovich

; TITLE OF INVENTION: NOVEL COMPOUNDS

; FILE REFERENCE: GP-30039-D1

; CURRENT APPLICATION NUMBER: US/09/764,587A

; CURRENT FILING DATE: 2001-01-18

; PRIOR APPLICATION NUMBER: US 09/240,410

; PRIOR FILING DATE: 1999-01-29

; PRIOR APPLICATION NUMBER: EP 98300694.1

; PRIOR FILING DATE: 1999-01-30

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 4

; LENGTH: 215

; TYPE: PRT

; ORGANISM: HOMO SAPIENS

US-09-764-587A-4

Query Match

Best Local Similarity 44.7%; Score 948.5; DB 10; Length 215;

Matches 184; Conservative 6; Mismatches 23; Indels 3; Gaps 3;

Qy 60 GQDHVDFSOPEHTVLFHEPGSFSVWVGGRGVYHFNFPEGKNASVRTVNTIGSTKGCQD 119

Db 1 GQDRVDFGQTEPTHTVLFHEPGSFSVWVGGRGVYLFDFPEGKNASVRTVNTIGSTKGCQD 60

Qy 120 KDCQGNVITLLRRNGLLVCGTNAKRPSCWNLVNDVSVMGLGEMKGYAPFSPDEN-SLV 178

Db 61 KRCENYITLLRRSEGLLACGTNARHPSCWNLV-ALWCHLGESGGYAPFSPDENVPWF 119

Qy 179 LFEDEVYSTIRK-QEYNGKIPFRFRIRGESELYTSDVTVMQNPQFIKATIVHQDAYDDK 237

Db 120 CFEGDEVYSTIRKARNYWNEDFRFRIRGESELYTSDVTVMQNPQFIKATIVHQDAYDDK 179

Qy 238 IYFFREDPNKPEAPLNVSRAQLCRDQGGESS 273

Db 180 IYFFREDPNKPEAPLNVSRAQLCRDQGGESS 215

RESULT 6

US-09-771-467C-4

; Sequence 4, Application US/09771467C

; Patent No. US20020177549A1

; GENERAL INFORMATION:

; APPLICANT: Luo, Yuling

; APPLICANT: Xiomel, Xu

; TITLE OF INVENTION: Semaphorin K1 Polypeptides

; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
 ; STREET: 75 DENISE DRIVE
 ; CITY: HILLSBOROUGH
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94010
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ;
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/771.467C
 ; FILING DATE: 26-Jan-2001
 ; CLASSIFICATION: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: OSMAN, RICHARD A
 ; REGISTRATION NUMBER: 36,627
 ; REFERENCE/DOCKET NUMBER: EXEL98-001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (650) 343-4341
 ; TELEFAX: (650) 343-4342
 ;
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 606 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ;
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 US-09-771-467C-4

Query Match 42.5%; Score 902; DB 9; Length 606;

Best Local Similarity 48.9%; Pred. No. 1.6e-76; Indels 6; Gaps 4; Matches 179; Conservative 54; Mismatches 127;

QY	27	LPRLRLLLVFWAAASAGHSRSPRISAVWK---GQDHVDFSQPEPHTVLFHEPGSFS	83
DB	4	LCVSRLLML-SAITAKSRFDKPRLLVNLDTGFGQ-HRFFGPGPEPHTVLFHLSNSD	61
QY	84	VWVGGRGVYHFNPECKNASVRTVNIIGTSGCDQKDCGNYITLLRRNGLLVCGTN	143
DB	62	VYVGNNTVLFDFAHSSNASTALINITSTHNLRLSTGCENFTLLHNTDGLLACGTN	121
QY	144	ARKPSCNLVNDYSVMSLGEMKGYAPSPDENSLVLFEGDEVYSTIRKQYNGKIPRRFR	203
DB	122	SQKPSCW-LINLTTQFLGPKGLAPSPSSGNLVLFQDNDTYSTINLYKSLSGSHKFR	180
QY	204	IRGESELYTSDTVNQNPQFKATVHQDQAYDDKIYFFREDNPDKNPEAPLVNSRVAQL	263
DB	181	IAGQVELYTDAMHRPQFQVATVHKNESYDDKIYFFQENSHSDFKQFPHTVPRVGV	240
QY	264	CRGDQGESLSVSKWNTFLKAMLVCSDAATNRNFRNLQDVELLPDPSGWRDTRVYGVF	323
DB	241	CSSDQGESLSVSKWNTFLKARLACVDYDTGRIYNELQDIFWQAPENSWEETLIYGLF	300
QY	324	SNPMNYSACVYSLGIDIRVFTSSKGYHMGLSNRPGLMKPKQPIPTETFOVADSHP	383
DB	301	LSPWNFSACVFTVKDIDHVEKTSKLNHYHKLPTPRPGCMKNHQHVPITETFOVADRY	360
QY	384	EVAQRV	389
DB	361	EVADPV	366

RESULT 7

US-09-908-193-45

; Sequence 45, Application US/09908193
 ; Publication No. US20020192748A1
 ; GENERAL INFORMATION:
 ; APPLICANT: RASTELLI, LUCA
 ; APPLICANT: SHIMKETS, RICHARD A.

; APPLICANT: ZERHUSEN, BRYAN
 ; APPLICANT: MALYANKAR, URIEL M.
 ; APPLICANT: PADIGARU, MURALIDHARA
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND POLYPEPTIDES ENCODED THEREBY
 ; FILE REFERENCE: 21402-062
 ; CURRENT APPLICATION NUMBER: US/09/908.193
 ; CURRENT FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: 60/220.273
 ; PRIOR FILING DATE: 2000-07-24
 ; PRIOR APPLICATION NUMBER: 60/221.650
 ; PRIOR FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: 60/221.233
 ; PRIOR FILING DATE: 2000-07-27
 ; PRIOR APPLICATION NUMBER: 60/220.912
 ; PRIOR FILING DATE: 2000-07-26
 ; PRIOR APPLICATION NUMBER: 60/218.875
 ; PRIOR FILING DATE: 2000-07-18
 ; PRIOR APPLICATION NUMBER: 60/218.870
 ; PRIOR FILING DATE: 2000-07-18
 ; PRIOR APPLICATION NUMBER: 60/218.901
 ; PRIOR FILING DATE: 2000-07-18
 ; NUMBER OF SEQ ID NOS: 74
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 45
 ; LENGTH: 893
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-908-193-45

Query Match 18.7%; Score 397; DB 9; Length 893;

Best Local Similarity 30.1%; Pred. No. 9.3e-29; Matches 129; Conservative 54; Mismatches 167; Indels 78; Gaps 16;

QY	3	PPPGRAAPSAPRARVL-----SLPAPFGLRLRLLLVF-----WVAA	41
DB	42	PPEPEPRDTVAPALRMLRTAMGLRSWLAAPMGALPPRPLLLLLLLLLLQPPPTWALS	101
QY	42	ASAGHSRSPRISAVWKQDHVDFSQPEP-----HTVLFHEPGSFSVWVGGRGVYHFN	96
DB	102	-----PRIS-LPLGSEERPLRFEABHISNYTALLSRDGRILYVGARALFALS	150
QY	97	-----FPEGKNASVRTVNIIGTSGCDQK-----QDCGNYI-TLLRRNGLLVCGTNAR	145
DB	151	SNLSFLPGGEYQELLWGADEAKKOCSFKGKDPQDCQNYIKILLPSGSHLFTCGTAA	210
QY	146	KPSCW--NLVNDVSV-----MSLGEMKGYAPSPDENSLVLFEGDEVYSTIRKQYNGK	197
DB	211	SPMCTYINMENFTLARDEKGNVLLEDKGCPCFPDPNFKSTALVVDGELY-TGTVSSFGN	269
QY	198	IPRRIRIGSELYTSDTV--MONPQFIKATVHQD-----QAYDDKIYFFREDNPDKNP	251
DB	270	DPAISRQSLRPTKTSSSLNWLQDPAFVASAYIPESLGSQGGDDDKIVFFSETQGEFE	329
QY	252	EAPLVNSRVAQLCGDGGESSLSVSKWNTFLKAMLVCSDAATNRNFRNLQDVELLPDPS	311
DB	330	FENTIVSRIARICKGDEGGERVLO-QRMTSFLKAOLLCRPPDGGFPFNVLDVTLSPSP	388
QY	312	GOMRDTRVYGVFSPNPNY-----SACVYSLGIDIRVFTSSKGYHMGLS	357
DB	389	QDWRDITLYGVFTSQWHRGITGSAVCVFTMKDVQRFVSGLYKEVNRQETQWYVTHPVP	448
QY	358	NPRFGMCL	365
DB	449	TPRPGACI	456

RESULT 8

US-10-174-590-454

; Sequence 454, Application US/10174590
 ; Publication No. US20030008352A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian

```
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-454

Query Match      18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHRSRSPRISAVKMGQDHVDFSQPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPFLEAEH 66

QY 72 ---HTVLFHEPGSFSVMVGRGVYHFN-----FPEGKNASVRTNIGSTKGCQDK--- 120
Db 67 ISNYTALLSRDGRITLYVGAREALFALSNNLSFLPGGEYQELLWGADAEEKKQCQSFKGKD 126

QY 121 --QDCGNYI-TLLRRGNLLVCGTNARKPSCW--NLVNDVV-----MSLGEMKGYAP 169
Db 127 PQDQCQNYIKILLPLSGSHLFTCGTAAFSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186

QY 170 FSPDENSILVFEQDEVYSTIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFQGNPDPAISRQSLRPTKTSSLNWLQDPAFVASAY 245

QY 228 VHQD----QAYDDKIYFFREDNPKNPEAPLNVSVAQLCRGDOGESSLSVSKWNTFL 283
Db 246 IPESLGSLQDDDKIYFFSETGQEFEPENTIVSRIARICKDEGGERVLIQ-QRWTSL 304

QY 284 KAMLVCSDAATNRNENRDLQVLLPDPSCQWRDTRVYGVFSPWNY-----SACVCVYSLG 338
Db 305 KAQLLCSRDDGFPFNVLQDVFTLSPSQDWRDRTLFGYVFTSQWHRGTTEGSACVCVFTMK 364

QY 339 DIDRVF-----RTSSLKGYHMGSLNRPQMCML 365
Db 365 DVQRFVSGLYKEVNRETQOWYTVTHVPVTPRPGACI 400

RESULT 9
US-10-176-758-454
; Sequence 454, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-454
```

```
; FILE REFERENCE: P3430RIC104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-454

Query Match      18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHRSRSPRISAVKMGQDHVDFSQPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPFLEAEH 66

QY 72 ---HTVLFHEPGSFSVMVGRGVYHFN-----FPEGKNASVRTNIGSTKGCQDK--- 120
Db 67 ISNYTALLSRDGRITLYVGAREALFALSNNLSFLPGGEYQELLWGADAEEKKQCQSFKGKD 126

QY 121 --QDCGNYI-TLLRRGNLLVCGTNARKPSCW--NLVNDVV-----MSLGEMKGYAP 169
Db 127 PQDQCQNYIKILLPLSGSHLFTCGTAAFSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186

QY 170 FSPDENSILVFEQDEVYSTIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFQGNPDPAISRQSLRPTKTSSLNWLQDPAFVASAY 245

QY 228 VHQD----QAYDDKIYFFREDNPKNPEAPLNVSVAQLCRGDOGESSLSVSKWNTFL 283
Db 246 IPESLGSLQDDDKIYFFSETGQEFEPENTIVSRIARICKDEGGERVLIQ-QRWTSL 304

QY 284 KAMLVCSDAATNRNENRDLQVLLPDPSCQWRDTRVYGVFSPWNY-----SACVCVYSLG 338
Db 305 KAQLLCSRDDGFPFNVLQDVFTLSPSQDWRDRTLFGYVFTSQWHRGTTEGSACVCVFTMK 364

QY 339 DIDRVF-----RTSSLKGYHMGSLNRPQMCML 365
Db 365 DVQRFVSGLYKEVNRETQOWYTVTHVPVTPRPGACI 400

RESULT 10
US-10-175-737-454
; Sequence 454, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-454
```

```
Query Match      18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHRSRGPRIASAVKMGQDHVDFSQPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPFLEAEH 66
QY 72 ---HTVLFEHPGFSFVWVGGRGKVYHFN-----FPEGKNASVRTVNIIGTGKSCODK--- 120
Db 67 ISNTYALLSRDGRTLVVGAREALFALSSNLFLPGGEYQELLWGADAEEKKQOCFSFGKD 126
QY 121 --ODCGNYI-TLLERRGNLLVCGTNARKPSCW--NLVNDSVV-----MSLGEMKGYAP 169
Db 127 PQRDCQNYIKILLPLSGSHLFTCGTAAPSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186
QY 170 FSPDENSLVLFEGDEVYSTIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFGQNDPAISRQSLRPTKTESLNLWLODPAFVASAY 245
QY 228 VHQD----QAYDDKIYFFREDNPKNEAPLNVSRAQLCRGDOGGESSLSVSKWNTFL 283
Db 246 IPESLGSLOGDDDKIYFFSETGQEFEEFENTIVSRIARICKDGEGERVLQ-QRWTSL 304
QY 284 KAMLVCSDAATNRNRLQDVFLLPDPGQWRDTRVYGVFSNPWNY-----SAVCVYSLG 338
Db 305 KAQLLCSRPDGGFPFNVLDQVFTLSPSPQDWRDRTLFGYVFTSQWHRGTTEGSACVCFMTK 364
QY 339 DIDRVF-----RTSSLKGYHMLGNRPNGMCL 365
Db 365 DVQRFSGLYKEVNRETOQWYTVTHPVTPRPGACI 400

RESULT 11
US-10-173-706-454
; Sequence 454, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-454

Query Match      18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHRSRGPRIASAVKMGQDHVDFSQPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPFLEAEH 66
QY 72 ---HTVLFEHPGFSFVWVGGRGKVYHFN-----FPEGKNASVRTVNIIGTGKSCODK--- 120
Db 67 ISNTYALLSRDGRTLVVGAREALFALSSNLFLPGGEYQELLWGADAEEKKQOCFSFGKD 126

Query Match      18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHRSRGPRIASAVKMGQDHVDFSQPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPFLEAEH 66
QY 72 ---HTVLFEHPGFSFVWVGGRGKVYHFN-----FPEGKNASVRTVNIIGTGKSCODK--- 120
Db 67 ISNTYALLSRDGRTLVVGAREALFALSSNLFLPGGEYQELLWGADAEEKKQOCFSFGKD 126
```

```
QY 121 --ODCGNYI-TLLERRGNLLVCGTNARKPSCW--NLVNDSVV-----MSLGEMKGYAP 169
Db 127 PQRDCQNYIKILLPLSGSHLFTCGTAAPSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186
QY 170 FSPDENSLVLFEGDEVYSTIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFGQNDPAISRQSLRPTKTESLNLWLODPAFVASAY 245
QY 228 VHQD----QAYDDKIYFFREDNPKNEAPLNVSRAQLCRGDOGGESSLSVSKWNTFL 283
Db 246 IPESLGSLOGDDDKIYFFSETGQEFEEFENTIVSRIARICKDGEGERVLQ-QRWTSL 304
QY 284 KAMLVCSDAATNRNRLQDVFLLPDPGQWRDTRVYGVFSNPWNY-----SAVCVYSLG 338
Db 305 KAQLLCSRPDGGFPFNVLDQVFTLSPSPQDWRDRTLFGYVFTSQWHRGTTEGSACVCFMTK 364
QY 339 DIDRVF-----RTSSLKGYHMLGNRPNGMCL 365
Db 365 DVQRFSGLYKEVNRETOQWYTVTHPVTPRPGACI 400

RESULT 12
US-10-175-738-454
; Sequence 454, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-454

Query Match      18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHRSRGPRIASAVKMGQDHVDFSQPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPFLEAEH 66
QY 72 ---HTVLFEHPGFSFVWVGGRGKVYHFN-----FPEGKNASVRTVNIIGTGKSCODK--- 120
Db 67 ISNTYALLSRDGRTLVVGAREALFALSSNLFLPGGEYQELLWGADAEEKKQOCFSFGKD 126
QY 121 --ODCGNYI-TLLERRGNLLVCGTNARKPSCW--NLVNDSVV-----MSLGEMKGYAP 169
Db 127 PQRDCQNYIKILLPLSGSHLFTCGTAAPSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186
QY 170 FSPDENSLVLFEGDEVYSTIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFGQNDPAISRQSLRPTKTESLNLWLODPAFVASAY 245
QY 228 VHQD----QAYDDKIYFFREDNPKNEAPLNVSRAQLCRGDOGGESSLSVSKWNTFL 283
```

```

Db 246 IPESLGSLQDDDKIYFFSETGQEFTEFFENTIVSRIARICKGDEGGERVLQ-QRWTSEFL 304
QY 284 KAMLVCSDAATNRNFRNLQDVLLPDPSCQWRDTRVYGVFSNPWY-----SACVYSLG 338
Db 305 KAQLICSRPDDGFPFNVLDVFTLSPSQDWRDTRFLFYGVFTSQWHRGTTEGSAVCVFTMK 364
QY 339 DIDRVF-----RTSLKGYHMGSLNRPQMCML 365
Db 365 DVQRFESGLYKEVNRTEQOQWYTVTHVPVTPRGACI 400

RESULT 13
US-10-175-752-454
; Sequence 454, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-454

Query Match. 18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPAEGLPLRLRLLLVF-----WVAASAQCHSRSGPRISAVKQGDHVDQFSEPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPLRFEABH 66
QY 72 ---HTVLFHEPGSFSVWVGGRGVYHFN-----FPEGKNASVTRTVNIGSTKGSCQDK--- 120
Db 67 ISNYTALLSRDGRITLYVGAREALFALSNNLSFLPGGEYQELLWGADAEKKQOCSPKGD 126
QY 121 --QDCGNYI-TLLERRGNGLVCGTNARKPSCW--NLVNDVSV-----MSLGEMKGYAP 169
Db 127 PORDCQNYIKILLPLSGSHLFTCGTAAAFSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186
QY 170 FSPDENSILVFEDEVYSYIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFGQNDPAISRQSLRPTKTESSLNMLQDPAFVASAY 245
QY 228 VHQD-----QAYDDKIYFFREDNPKNPEAPLNVSRAQLCRGDGOGESSLSVSKWNTFL 283
Db 246 IPESLGSLQDDDKIYFFSETGQEFTEFFENTIVSRIARICKGDEGGERVLQ-QRWTSEFL 304
QY 284 KAMLVCSDAATNRNFRNLQDVLLPDPSCQWRDTRVYGVFSNPWY-----SACVYSLG 338
Db 305 KAQLICSRPDDGFPFNVLDVFTLSPSQDWRDTRFLFYGVFTSQWHRGTTEGSAVCVFTMK 364
QY 339 DIDRVF-----RTSLKGYHMGSLNRPQMCML 365
Db 365 DVQRFESGLYKEVNRTEQOQWYTVTHVPVTPRGACI 400

```

```

US-10-175-752-454
; Sequence 454, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

Query Match. 18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPAEGLPLRLRLLLVF-----WVAASAQCHSRSGPRISAVKQGDHVDQFSEPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPLRFEABH 66
QY 72 ---HTVLFHEPGSFSVWVGGRGVYHFN-----FPEGKNASVTRTVNIGSTKGSCQDK--- 120
Db 67 ISNYTALLSRDGRITLYVGAREALFALSNNLSFLPGGEYQELLWGADAEKKQOCSPKGD 126
QY 121 --QDCGNYI-TLLERRGNGLVCGTNARKPSCW--NLVNDVSV-----MSLGEMKGYAP 169
Db 127 PORDCQNYIKILLPLSGSHLFTCGTAAAFSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186
QY 170 FSPDENSILVFEDEVYSYIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFGQNDPAISRQSLRPTKTESSLNMLQDPAFVASAY 245
QY 228 VHQD-----QAYDDKIYFFREDNPKNPEAPLNVSRAQLCRGDGOGESSLSVSKWNTFL 283
Db 246 IPESLGSLQDDDKIYFFSETGQEFTEFFENTIVSRIARICKGDEGGERVLQ-QRWTSEFL 304
QY 284 KAMLVCSDAATNRNFRNLQDVLLPDPSCQWRDTRVYGVFSNPWY-----SACVYSLG 338
Db 305 KAQLICSRPDDGFPFNVLDVFTLSPSQDWRDTRFLFYGVFTSQWHRGTTEGSAVCVFTMK 364
QY 339 DIDRVF-----RTSLKGYHMGSLNRPQMCML 365
Db 365 DVQRFESGLYKEVNRTEQOQWYTVTHVPVTPRGACI 400

```

```

RESULT 14
US-10-176-482-454
; Sequence 454, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-454

Query Match. 18.2%; Score 385.5; DB 9; Length 837;
Best Local Similarity 30.8%; Pred. No. 1e-27;
Matches 122; Conservative 53; Mismatches 158; Indels 63; Gaps 15;

QY 20 SLPAEGLPLRLRLLLVF-----WVAASAQCHSRSGPRISAVKQGDHVDQFSEPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERPLRFEABH 66
QY 72 ---HTVLFHEPGSFSVWVGGRGVYHFN-----FPEGKNASVTRTVNIGSTKGSCQDK--- 120
Db 67 ISNYTALLSRDGRITLYVGAREALFALSNNLSFLPGGEYQELLWGADAEKKQOCSPKGD 126
QY 121 --QDCGNYI-TLLERRGNGLVCGTNARKPSCW--NLVNDVSV-----MSLGEMKGYAP 169
Db 127 PORDCQNYIKILLPLSGSHLFTCGTAAAFSPMCTYINMENFTLARDEKGNVLLEDGKGRCP 186
QY 170 FSPDENSILVFEDEVYSYIRKQYNGKIPRRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFGQNDPAISRQSLRPTKTESSLNMLQDPAFVASAY 245
QY 228 VHQD-----QAYDDKIYFFREDNPKNPEAPLNVSRAQLCRGDGOGESSLSVSKWNTFL 283
Db 246 IPESLGSLQDDDKIYFFSETGQEFTEFFENTIVSRIARICKGDEGGERVLQ-QRWTSEFL 304
QY 284 KAMLVCSDAATNRNFRNLQDVLLPDPSCQWRDTRVYGVFSNPWY-----SACVYSLG 338
Db 305 KAQLICSRPDDGFPFNVLDVFTLSPSQDWRDTRFLFYGVFTSQWHRGTTEGSAVCVFTMK 364
QY 339 DIDRVF-----RTSLKGYHMGSLNRPQMCML 365
Db 365 DVQRFESGLYKEVNRTEQOQWYTVTHVPVTPRGACI 400

```

```

RESULT 15
US-10-176-757-454
; Sequence 454, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

```
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 454
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-454

Query Match      18.2%  Score 385.5;  DB 9;  Length 837;
Best Local Similarity 30.8%;  Pred. No. 1e-27;
Matches 122;  Conservative 53;  Mismatches 158;  Indels 63;  Gaps 15;

Qy 20 SLPARFGLPLRLRLLLVF-----WVAASAQGHSGRPRISAVWKGODHVDFOPEP-- 71
Db 18 ALPPRPPLLLLLLLLLLLQPPPTWALS-----PRIS-LPLGSEERFPLRFEAEH 66

Qy 72 ---HTVLFHEPGSFVWVGGRKGVYHFN-----FPEGKNASVRTVNIKSTKGCQDK--- 120
Db 67 ISNTYALLSRDGRPLYVGAREALFALSSNLFLPGGEYQELLWCADAEKKQOCFSFKGKD 126

Qy 121 --ODCGNYI-TLLERRGNLLVCGTNAKPKSCW--NLVNDVV-----MSLGEMKGYAP 169
Db 127 PORDQNTIKILLPLSGSHLFTCGTAFAFSPMCTYINMENFTLARDEKGNVLLEDKGRCP 186

Qy 170 FSPDENSILVFEDEYVSTIRKQYNGKIPRFRIRGESELYTSDTV--MQNPQFIKATI 227
Db 187 FDPNFKSTALVVDGELY-TGTVSSFQGNPDALRSQSLRPTKTESSLNWLQDPAPVASAY 245

Qy 228 VHQD----QAYDDKIYFFREDNDKNDPEAPLNVSRAQLCRGQGGESSLSVKWNTFL 283
Db 246 IPESLGSQGGDDDKIYFFSFETGQEFFEFENTIVSRIARICKDEGGERVLQ-QRWTSFL 304

Qy 284 KAMLVCSDAATNRNFRNLQDVFLLPDPSGQWRDTRVYGVFSNPWNY-----SAYCVYSLG 338
Db 305 KAQLLCRPPDDGFNFVNLQDVFTLSPSPQDWRDTLFGVFTSQWHRGTGSAVCVFTMK 364

Qy 339 DIDRVF-----RTSSLKGYHMLSNRPRGMCL 365
Db 365 DVQRVFSGLYKEVNRQEQWYTVTHPVTPRPGACI 400
```

Search completed: March 14, 2003, 09:34:47
Job time : 15.5491 secs